



## Description of two new species of *Sinophlaeoba* and the female of *S. bannaensis* (Orthoptera: Acrididae) from Yunnan, China

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### Abstract

The generic diagnosis of genus *Sinophlaeoba* Niu et Zheng, 2005 is reviewed. The main morphological characters that this genus distinguishes with its relatives are: head nearly as long as pronotum; pronotum with irregular and short carinae between median and lateral carinae; tegmina not surpassing beyond the middle of hind femora and touching each other in mid dorsal line. *S. laoyinshan* **sp. nov.** and *S. brachyptera* **sp. nov.** from Yunnan, China are described as new species, as well as the female of *S. bannaensis* Niu et Zheng, 2005 for the first time. All specimens are deposited in the College of Life Sciences and Chemistry, Dali University (CLDU), except that are mentioned otherwise. A key to three known species is given.

**Key words:** Acrididae, Acridinae, Phlaeobini, *Sinophlaeoba*, generic diagnosis, new species, Yunnan

### Introduction

The genus *Sinophlaeoba* was proposed as a monotypic genus by Niu et Zheng in 2005 and its type species, *S. bannaensis*, was described only from eight male specimens collected in 2004 at Mt. Nangongshan (21°36'N, 101°25'E, in Mengla County, Yunnan). It was placed into the subfamily Phlaeobinae, family Acrididae. We collected the male and female of the species from the type locality in 2007. Moreover, while examining grasshopper specimens collected from Yunnan, we discovered two other new species of the genus, which we describe here *S. laoyinshan* **sp. nov.** and *S. brachyptera* **sp. nov.**, respectively. *Sinophlaeoba* now contains at least three species. This genus is close to the both of *Oxyphlaeoba* Ramme, 1941 and *Phlaeoba* Stål, 1860 (Niu et Zheng, 2005) as sharing the following morphological characters: body slender; face oblique; antennae ensiform; foveolae absent; pronotum with posterior margin rounded, median carina distinct, lateral carinae parallel; tegmina present, dorsad contiguous at least. The genera *Sinophlaeoba* and *Phlaeoba* are listed under Phlaeobini within Acridinae (Eades and Otte, 2008). Therefore, it would be reasonable to place the genus into Phlaeobini within Acridinae.

### Taxonomy

#### *Sinophlaeoba* Niu et Zheng, 2005

*Sinophlaeoba* Niu et Zheng, 2005: 762.

Type species: *Sinophlaeoba bannaensis* Niu et Zheng, 2005